

=> fil reg

FILE 'REGISTRY' ENTERED AT 16:03:16 ON 25 SEP 2006
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STRUCTURE FILE UPDATES: 24 SEP 2006 HIGHEST RN 908332-13-8
 DICTIONARY FILE UPDATES: 24 SEP 2006 HIGHEST RN 908332-13-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

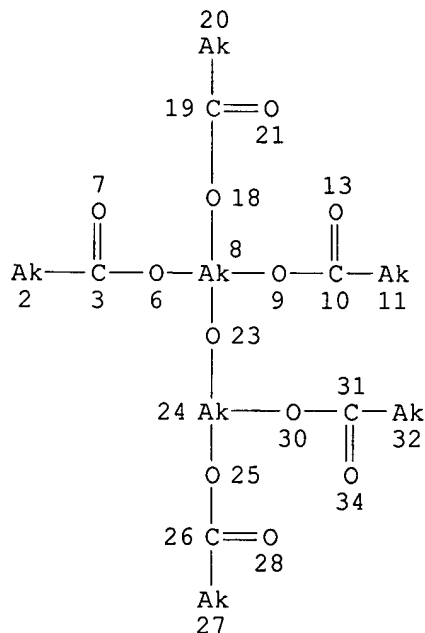
Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> d sta que l10

L6 STR



NODE ATTRIBUTES:
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

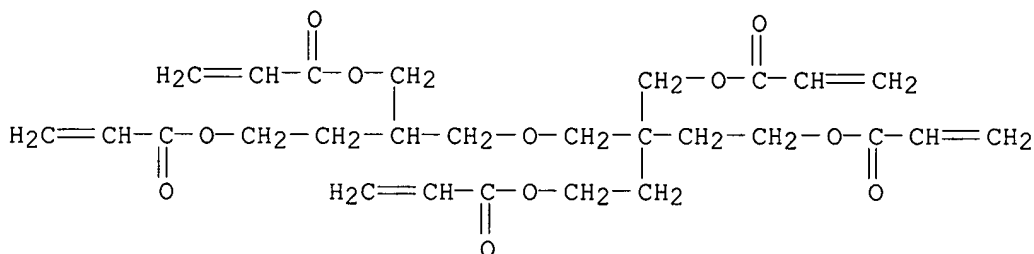
GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 23

STEREO ATTRIBUTES: NONE

L8 12 SEA FILE=REGISTRY CSS FUL L6
 L9 6 SEA FILE=REGISTRY ABB=ON PLU=ON L8 NOT PROPENOIC
 L10 6 SEA FILE=REGISTRY ABB=ON PLU=ON L8 NOT L9

=> d ide can tot l10

L10 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 169158-41-2 REGISTRY
 ED Entered STN: 20 Oct 1995
 CN 2-Propenoic acid, 2-[2-[(1-oxo-2-propenyl)oxy]ethyl]-2-[[4-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]butoxy]methyl]-1,4-butanediyl ester (9CI) (CA INDEX NAME)
 MF C27 H36 O11
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

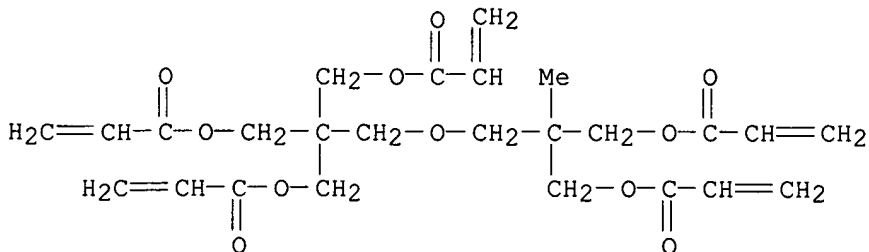


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 123:270709

L10 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 159996-68-6 REGISTRY
 ED Entered STN: 06 Jan 1995
 CN 2-Propenoic acid, 2-methyl-2-[[3-[(1-oxo-2-propenyl)oxy]-2,2-bis[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,3-propanediyl ester (9CI) (CA INDEX NAME)
 MF C25 H32 O11
 SR CA
 LC STN Files: CA, CAPLUS



jan delaval - 25 september 2006

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

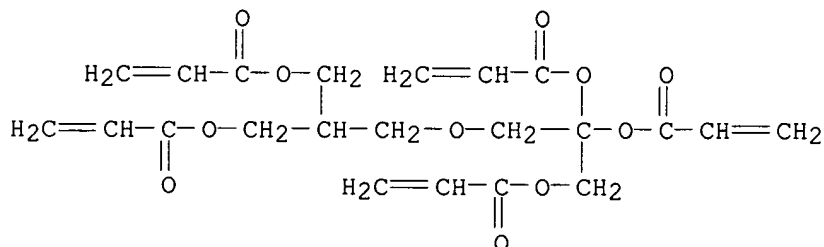
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 122:68238

L10 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 149038-62-0 REGISTRY
 ED Entered STN: 30 Jul 1993
 CN 2-Propenoic acid, 1-[(1-oxo-2-propenyl)oxy]-1-[[3-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,2-ethanediyl ester, homopolymer (9CI) (CA INDEX NAME)
 MF (C22 H26 O11)x
 CI PMS
 PCT Polyacrylic
 SR CA
 LC STN Files: CA, CAPLUS

CM 1

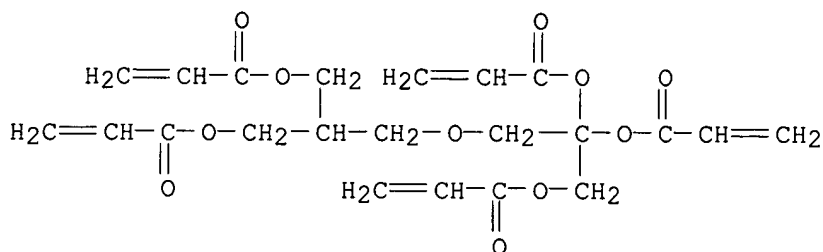
CRN 149038-61-9
 CMF C22 H26 O11



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 119:82859

L10 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 149038-61-9 REGISTRY
 ED Entered STN: 30 Jul 1993
 CN 2-Propenoic acid, 1-[(1-oxo-2-propenyl)oxy]-1-[[3-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,2-ethanediyl ester (9CI) (CA INDEX NAME)
 MF C22 H26 O11
 CI COM
 SR CA

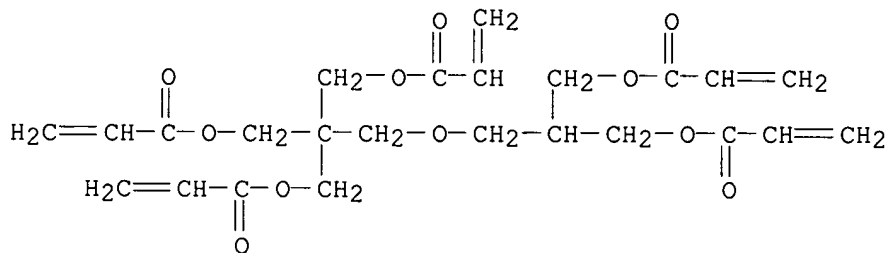


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L10 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 141313-83-9 REGISTRY
 ED Entered STN: 15 May 1992
 CN 2-Propenoic acid, 2-[[[(1-oxo-2-propenyl)oxy]methyl]-2-[[3-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,3-propanediyl ester, homopolymer (9CI) (CA INDEX NAME)
 MF (C24 H30 O11)x
 CI PMS
 PCT Polyacrylic
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

CM 1

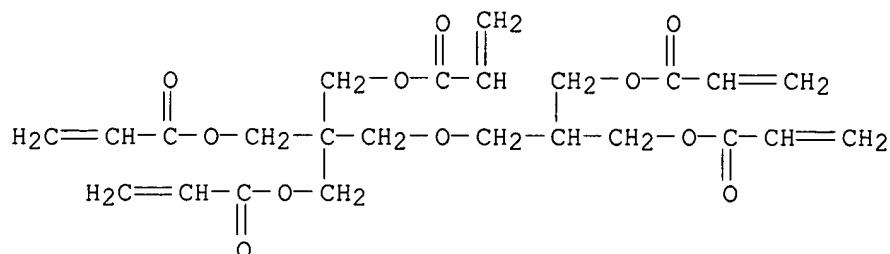
CRN 141313-82-8
 CMF C24 H30 O11



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 116:224683

L10 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 141313-82-8 REGISTRY
 ED Entered STN: 15 May 1992
 CN 2-Propenoic acid, 2-[[[(1-oxo-2-propenyl)oxy]methyl]-2-[[3-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,3-propanediyl ester (9CI) (CA INDEX NAME)
 MF C24 H30 O11
 CI COM
 SR CA
 LC STN Files: CA, CAPLUS



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 122:68238

=> d his l10-

(FILE 'REGISTRY' ENTERED AT 15:50:51 ON 25 SEP 2006)
L10 6 S L8 NOT L9

FILE 'HCAOLD' ENTERED AT 16:01:36 ON 25 SEP 2006
L11 0 S L10

FILE 'HCAPLUS' ENTERED AT 16:01:38 ON 25 SEP 2006
L12 4 S L10

FILE 'USPATFULL' ENTERED AT 16:02:46 ON 25 SEP 2006
L13 2 S L10

FILE 'HCAPLUS, USPATFULL' ENTERED AT 16:03:02 ON 25 SEP 2006
L14 5 DUP REM L12 L13 (1 DUPLICATE REMOVED)

FILE 'REGISTRY' ENTERED AT 16:03:16 ON 25 SEP 2006

=> fil hcaplus uspatful
FILE 'HCAPLUS' ENTERED AT 16:03:30 ON 25 SEP 2006
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FILE 'USPATFULL' ENTERED AT 16:03:30 ON 25 SEP 2006
CA INDEXING COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)

=> d l14 bib abs hitstr retable tot

L14 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN DUPLICATE 1
AN 1995:662912 HCAPLUS
DN 123:270709
TI Electrophotographic photosensitive member and electrophotographic
apparatus, device unit and facsimile machine using the same
IN Maruyama, Akio; Kikuchi, Toshiro; Amamiya, Shoji; Nagahara, Shin; Aoki,
Katsumi
PA Canon K. K., Japan

SO U.S., 43 pp. Cont.-in-part of U.S. Ser. No. 852,720, abandoned.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5422210	A	19950606	US 1992-968465	19921029
	JP 05100464	A2	19930423	JP 1992-62306	19920318
	JP 2584930	B2	19970226		
PRAI	JP 1991-77290	A	19910318		
	JP 1991-77291	A	19910318		
	JP 1991-77292	A	19910318		
	US 1992-852720	B2	19920317		
	JP 1992-62306	A	19920318		

OS MARPAT 123:270709

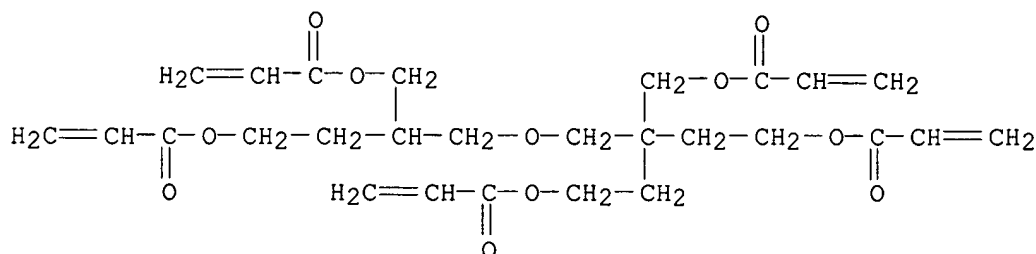
AB An electrophotog. photosensitive member comprises a conductive support, a photosensitive layer and a protective layer, the protective layer containing resin formed by hardening a light-setting type acrylic monomer, and the photosensitive layer containing ≥ 1 compound selected from the group consisting of (A), (B) and (C) below: (A) styryl compds. $(Ar_1)(Ar_2)N-Ar_3-(CH:C(R_2))_n-R_1$ (m.p. $\leq 135^\circ$) [Ar_1 and Ar_2 are aromatic ring groups, Ar_3 is a bivalent aromatic ring group or a bivalent heterocyclic group, R_1 is an alkyl group or an aromatic ring group, R_2 is a H atom, an alkyl group or an aromatic ring group, and n is 1 or 2, R_1 and R_2 possibly linking to form a ring when $n = 1$]; (B) triarylamine compound having a structure expressed by the following formula $Ar_4Ar_5NAr_6$ (m.p. $\leq 150^\circ$) [Ar_4 , Ar_5 and Ar_6 = aromatic ring group or a heterocyclic group]; (C) hydrazone compds. $A-[CR_3:NNR_4R_5]_m$ (m.p. $\leq 155^\circ$) [R_3 is a H atom or an alkyl group, R_4 and R_5 are alkyl groups, aralkyl groups or aromatic ring groups, m is 1 or 2, A is an aromatic ring group, a heterocyclic group or $-CH:C(R_6)R_7$ (R_6 and R_7 are H atoms, aromatic ring groups or heterocyclic groups, but will never be H atoms at the same time)]. The photosensitive member suppresses the occurrence of cracks during forming of the protective layer, has high durability, and is free from any image defects.

IT 169158-41-2

RL: DEV (Device component use); USES (Uses)
(protective layer for electrophotog. photoconductor)

RN 169158-41-2 HCAPLUS

CN 2-Propenoic acid, 2-[2-[(1-oxo-2-propenyl)oxy]ethyl]-2-[[4-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]butoxy]methyl]-1,4-butanediyl ester (9CI) (CA INDEX NAME)



L14 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN

AN 1995:274876 HCAPLUS

DN 122:68238

TI Crack-resistant durable electrophotographic photoreceptors providing
flawless images and electrophotographic devices and facsimiles using the
same

IN Maruyama, Akio; Nagahara, Susumu; Amamy, Shoji; Aoki, Katsumi; Tsuji,
Haruyuki; Mayama, Shinya

PA Canon Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 29 pp.
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	JP 06011877	A2	19940121	JP 1992-191360	19920626
	JP 3050701	B2	20000612		
PRAI	JP 1992-191360		19920626		
GI					

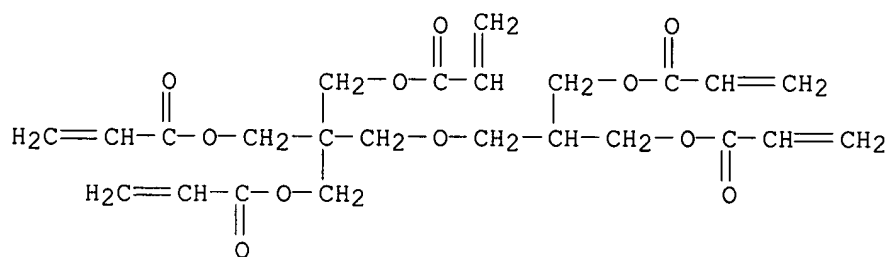
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The title photoreceptors have an elec. conductive support, a
photosensitive layer, and a protective layer, wherein the protective layer
is a photocured acrylic layer, and the photosensitive layer contains
binders chosen from I and II (A, B = C1-10 alkylidene, alkylene,
aralkylene, arylene, O, CO, S, SO, SO₂; R1-6, R11-16 = H, halogen, alkyl,
aryl, aralkyl, alkenyl; R7 = C1-10 alkylidene, alkylene, aralkylene,
arylene; n = pos. integer; x, y = 0.05-0.9; X = O, S).

IT **141313-82-8 159996-68-6**
RL: TEM (Technical or engineered material use); USES (Uses)
(photocured protective coatings; Crack-resistant durable electrophotog.
photoreceptors providing flawless images for electrophotog. devices and
facsimiles)

RN 141313-82-8 HCAPLUS

CN 2-Propenoic acid, 2-[[[(1-oxo-2-propenyl)oxy]methyl]-2-[[3-[(1-oxo-2-
propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,3-
propanediyl ester (9CI) (CA INDEX NAME)

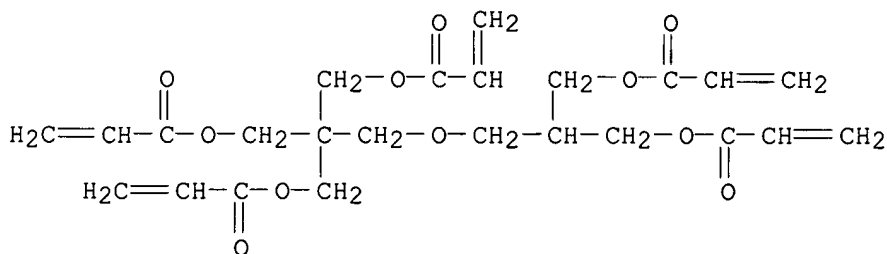


RN 159996-68-6 HCAPLUS

CN 2-Propenoic acid, 2-methyl-2-[[3-[(1-oxo-2-propenyl)oxy]-2,2-bis[[[(1-oxo-2-
propenyl)oxy]methyl]propoxy]methyl]-1,3-propanediyl ester (9CI) (CA INDEX
NAME)

L14 ANSWER 4 OF 5 HCAPLUS COPYRIGHT 2006 ACS on STN
 AN 1992:224683 HCAPLUS
 DN 116:224683
 TI Electrophotographic photosensitive member
 IN Maruyama, Akio; Nagahara, Shin; Ohtani, Noriko; Mayama, Shinya
 PA Canon K. K., Japan
 SO Eur. Pat. Appl., 25 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 460558	A1	19911211	EP 1991-108999	19910603
	EP 460558	B1	19960207		
	R: DE, FR, GB				
	JP 04226469	A2	19920817	JP 1991-131198	19910603
	JP 2801427	B2	19980921		
	US 5391449	A	19950221	US 1993-31023	19930311
PRAI	JP 1990-146431	A	19900604		
	US 1991-709822	B1	19910604		
AB	An electrophotog. photosensitive member is formed by disposing a photosensitive layer and a protective layer in this order on an electroconductive support. The protective layer is formed from a resin obtained by polymerization of a curable acrylic monomer having ≥ 3 acrylic groups, i.e., acryloyl and/or methacryloyl groups. The protective layer not only shows a good durability but also can contain fine electroconductive particles with a good dispersibility, because of the presence of the acrylic groups aiding the dispersion.				
IT	141313-83-9				
	RL: USES (Uses)				
	(Electrophotog. photoconductors with protective layer from)				
RN	141313-83-9 HCAPLUS				
CN	2-Propenoic acid, 2-[[[(1-oxo-2-propenyl)oxy]methyl]-2-[[3-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,3-propanediyl ester, homopolymer (9CI) (CA INDEX NAME)				
CM	1				
CRN	141313-82-8				
CMF	C24 H30 O11				



L14 ANSWER 5 OF 5 USPATFULL on STN
 AN 95:15901 USPATFULL
 TI Electrophotographic photosensitive member

IN Maruyama, Akio, Tokyo, Japan
 Nagahara, Shin, Tokyo, Japan
 Ohtani, Noriko, Yokohama, Japan
 Mayama, Shinya, Yamato, Japan
 PA Canon Kabushiki Kaisha, Tokyo, Japan (non-U.S. corporation)
 PI US 5391449 19950221
 AI US 1993-31023 19930311 (8)
 RLI Continuation of Ser. No. US 1991-709822, filed on 4 Jun 1991, now
 abandoned
 PRAI JP 1990-146431 19900604
 DT Utility
 FS Granted
 EXNAM Primary Examiner: Goodrow, John
 LREP Fitzpatrick, Cella, Harper & Scinto
 CLMN Number of Claims: 13
 ECL Exemplary Claim: 1
 DRWN 2 Drawing Figure(s); 1 Drawing Page(s)
 LN.CNT 758

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An electrophotographic photosensitive member is formed by disposing a photosensitive layer and a protective layer in this order on an electroconductive support. The protective layer is formed from a resin obtained by polymerization of a curable acrylic monomer having at least three acrylic groups, i.e., acryloyl and/or methacryloyl groups. The protective layer not only shows a good durability against wearing but also can contain fine electroconductive particles therein with a good dispersibility because of the presence of the acrylic groups aiding the dispersion.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **141313-83-9**

(Electrophotog. photoconductors with protective layer from)

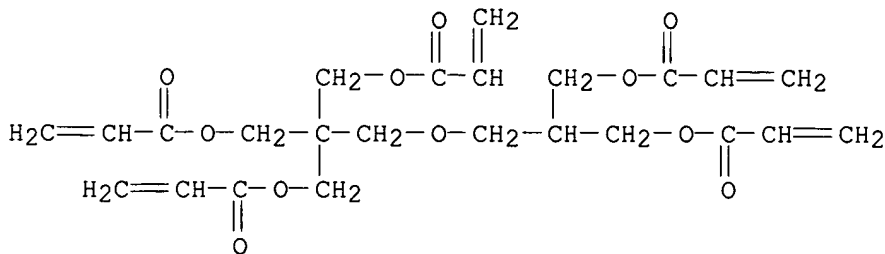
RN 141313-83-9 USPATFULL

CN 2-Propenoic acid, 2-[[[(1-oxo-2-propenyl)oxy]methyl]-2-[[[3-[(1-oxo-2-propenyl)oxy]-2-[[[(1-oxo-2-propenyl)oxy]methyl]propoxy]methyl]-1,3-propanediyl ester, homopolymer (9CI) (CA INDEX NAME)

CM 1

CRN 141313-82-8

CMF C24 H30 O11



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